

Supplemental Table S4 Summary of PIP genes identified in representative plant species.

Species	Common name	Family	Type of organism	PIP1	PIP2	Total	References
<i>Oryza sativa</i>	Rice	Poaceae	Monocot	3	8	11	[11]
<i>Brachypodium distachyon</i>	-	Poaceae	Monocot	2	8	10	[55]
<i>Setaria italica</i>	Foxtail millet	Poaceae	Monocot	4	8	12	[55]
<i>Sorghum bicolor</i>	Sorghum	Poaceae	Monocot	4	9	13	[55]
<i>Panicum virgatum</i>	Switchgrass	Poaceae	Monocot	7	14	21	[55]
<i>Zea mays</i>	Maize	Poaceae	Monocot	6	7	13	[54]
<i>Carex cristatella</i>	-	Cyperaceae	Monocot	4	11	15	This study
<i>Cyperus esculentus</i>	Tigernut	Cyperaceae	Monocot	3	11	14	This study
<i>Rhynchospora breviuscula</i>	-	Cyperaceae	Monocot	3	10	13	This study
<i>Juncus effusus</i>	-	Juncaceae	Monocot	3	6	9	This study
<i>Musa acuminata</i>	Banana	Musaceae	Monocot	9	9	18	[15]
<i>Zostera marina</i>	Eelgrass	Zosteraceae	Monocot	2	2	4	[56]
<i>Carica papaya</i>	Papaya	Caricaceae	Dicot	4	5	9	[17]
<i>Arabidopsis thaliana</i>	Arabidopsis	Brassicaceae	Dicot	5	8	13	[10]
<i>Jatropha curcas</i>	Physic nut	Euphorbiaceae	Dicot	3	5	8	[15]
<i>Ricinus communis</i>	Castor bean	Euphorbiaceae	Dicot	5	5	10	[14]
<i>Manihot esculenta</i>	Cassava	Euphorbiaceae	Dicot	4	10	14	[16]
<i>Hevea brasiliensis</i>	Rubber tree	Euphorbiaceae	Dicot	5	10	15	[13]
<i>Populus trichocarpa</i>	Poplar	Salicaceae	Dicot	5	10	15	[13]
<i>Aquilegia coerulea</i>	-	Ranunculaceae	Dicot	2	2	4	[17]